

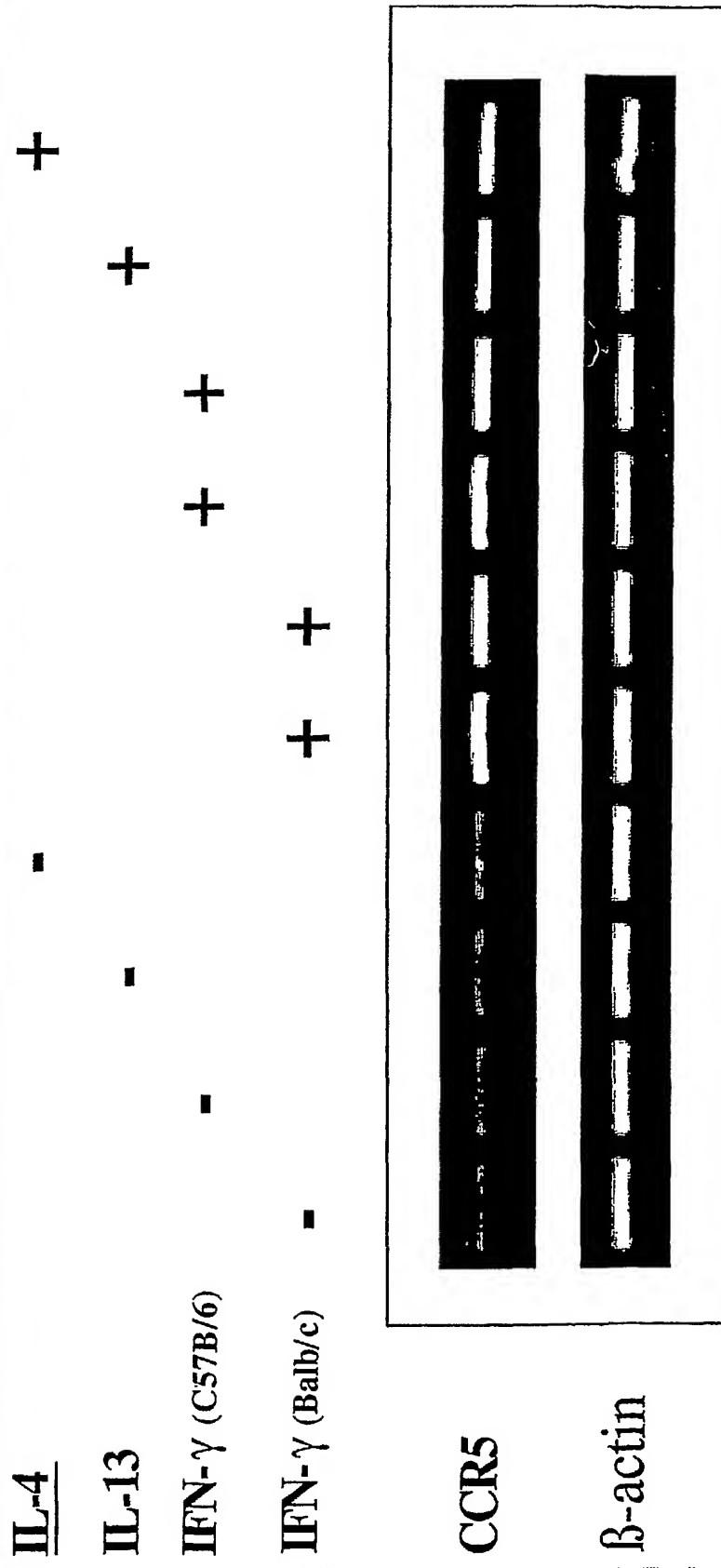
FIG. 1A**RT-PCR for CCR5 gene**

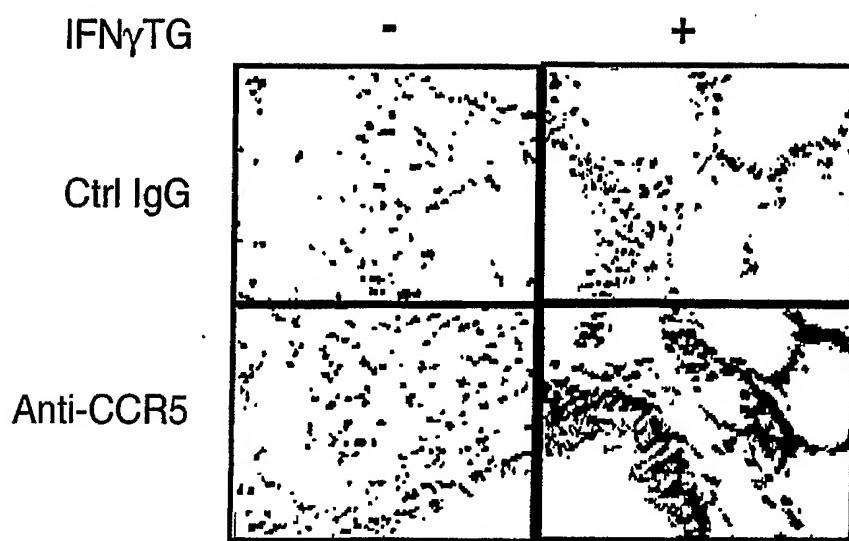
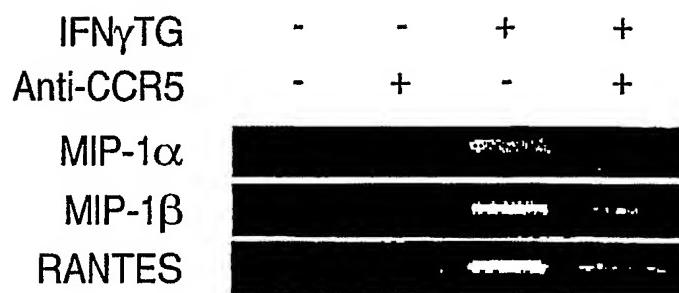
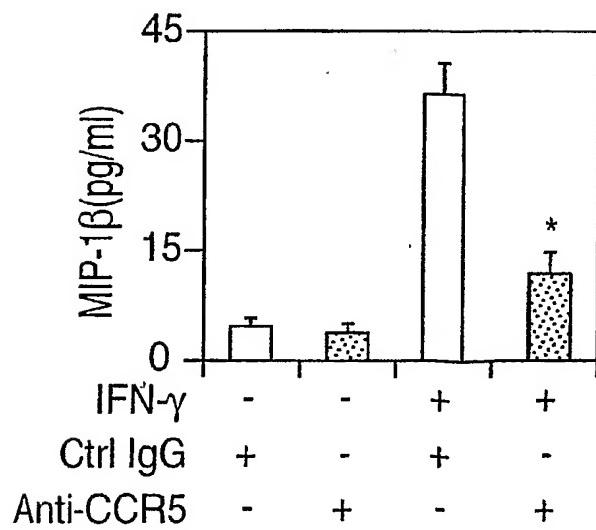
FIG. 1B

FIG. 2A**FIG. 2B**

BAL total cell count of IFN- γ mice after
blocking and null mutation of CCR5

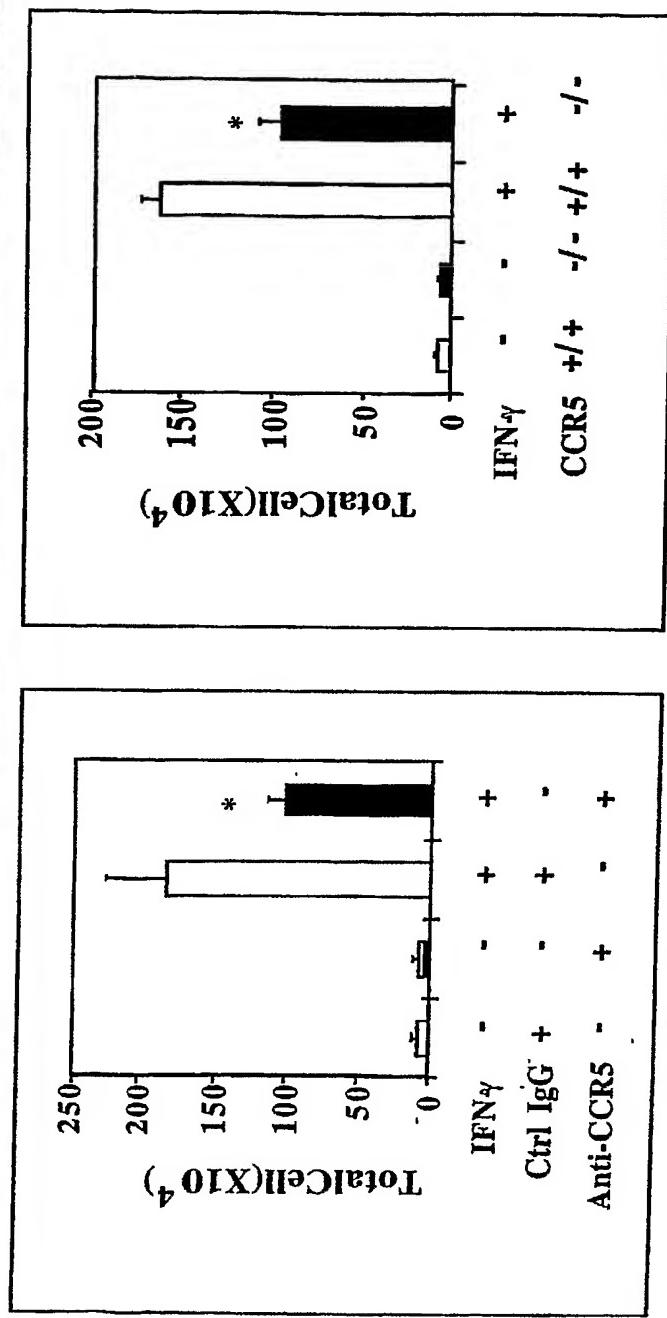


FIG. 3A

FIG. 3B

Lung volume change of INF- γ mice after blocking and null mutation of CC receptor 5

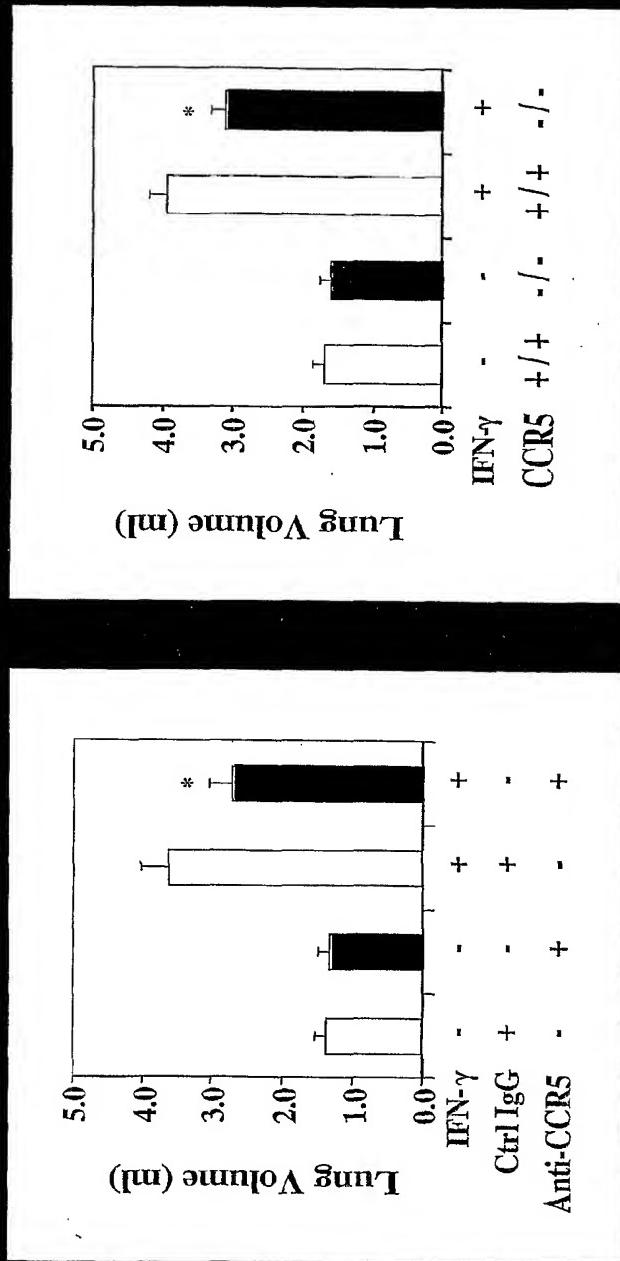
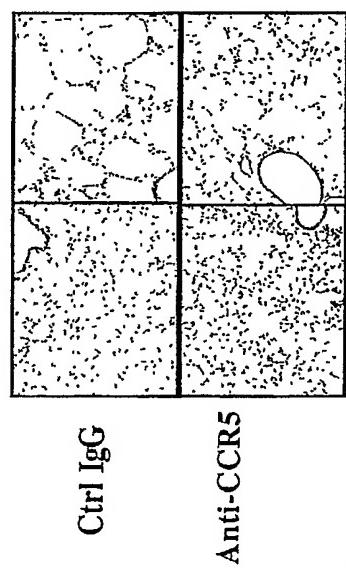
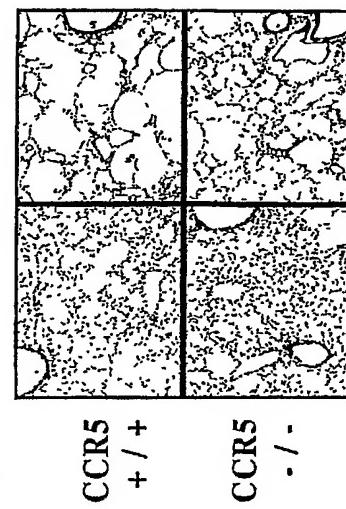
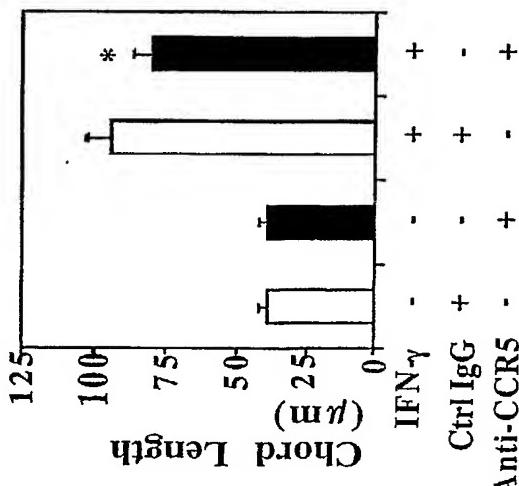
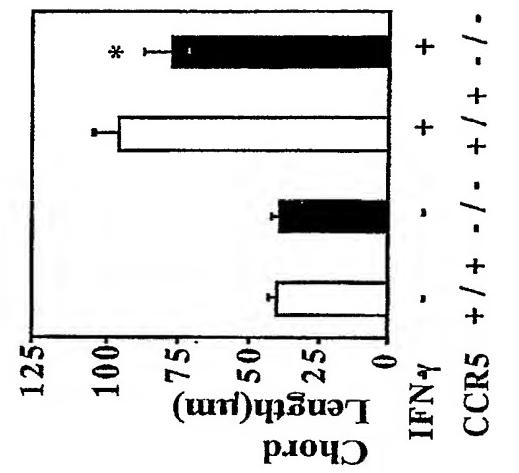


Fig. 4A

Fig. 4B

Blocking and Null Mutation of CCR5 In CC10-IFN- γ Mouse Lung

FIG. 4C**FIG. 4D****FIG. 4E****FIG. 4F**

BAL IFN- γ level of CC10-IFN- γ mice after
blocking and null mutation of CCR5

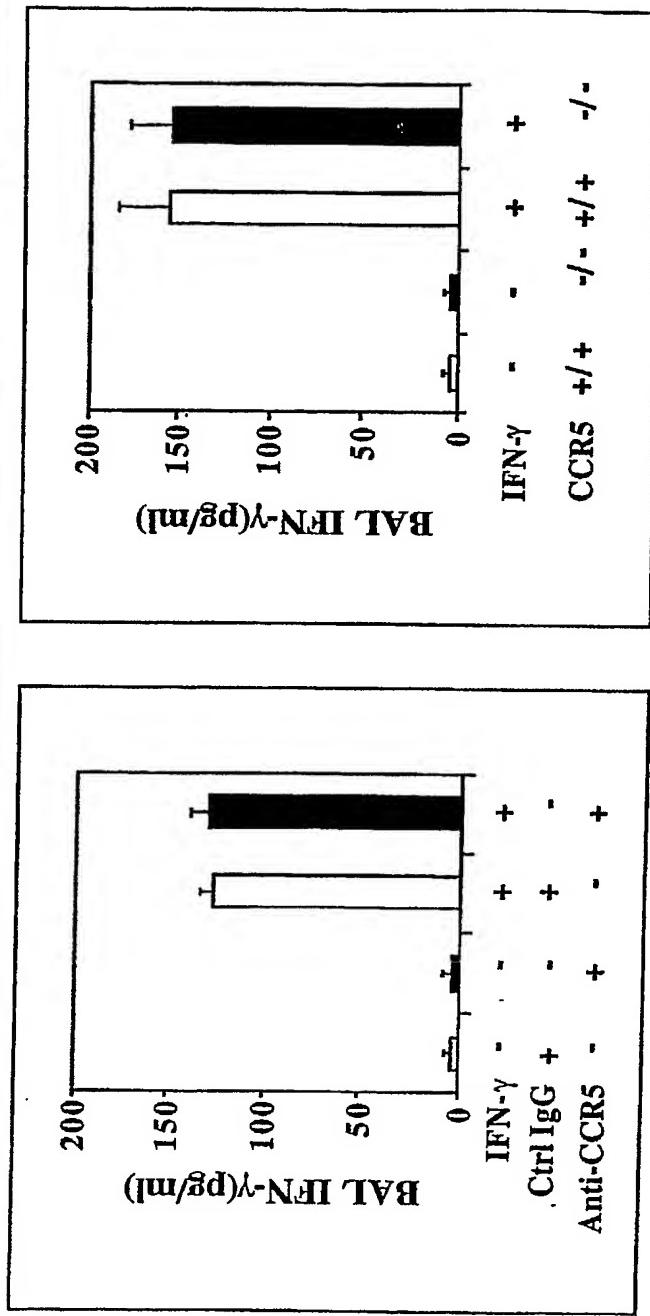


FIG. 5A
FIG. 5B

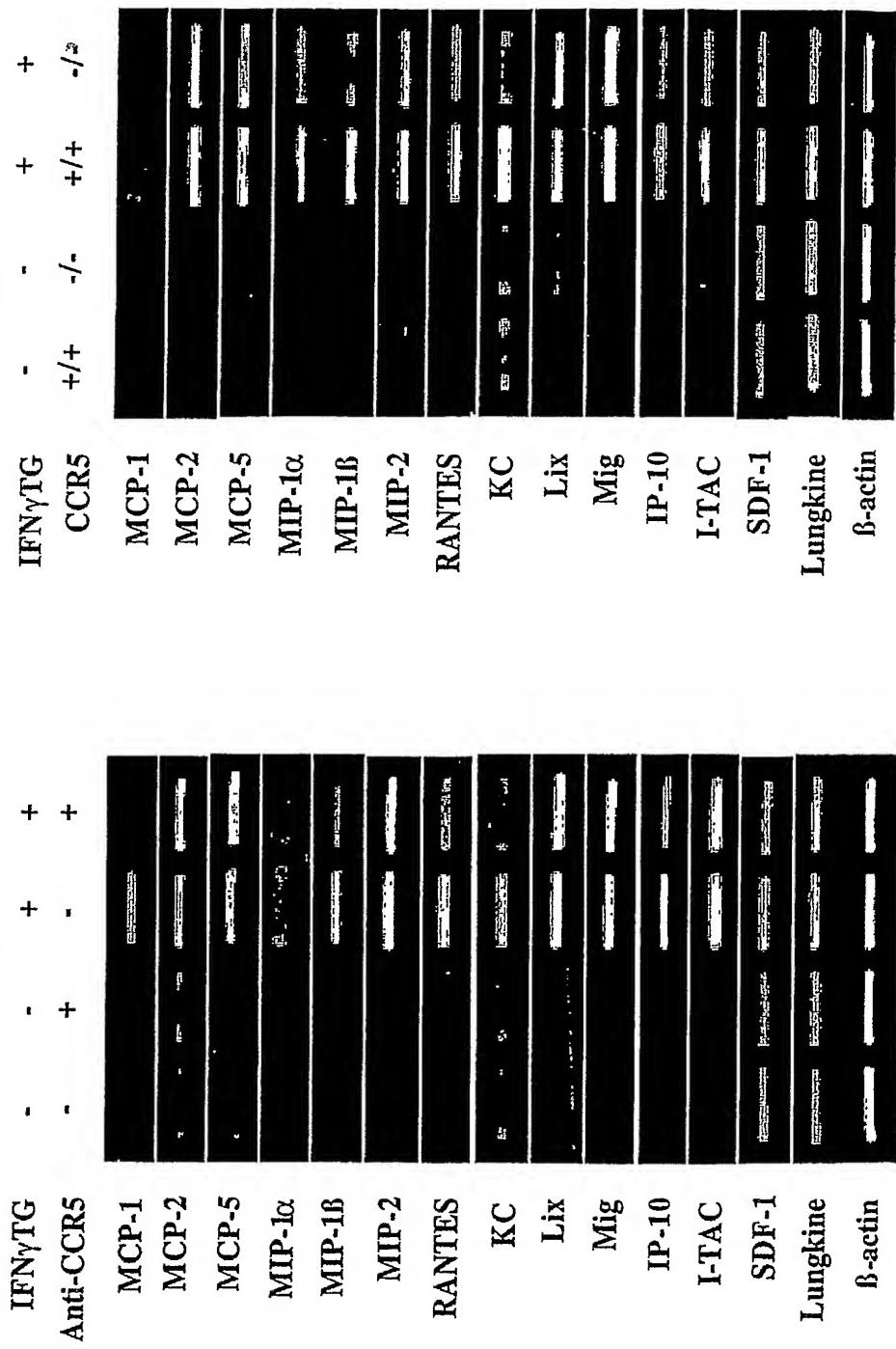
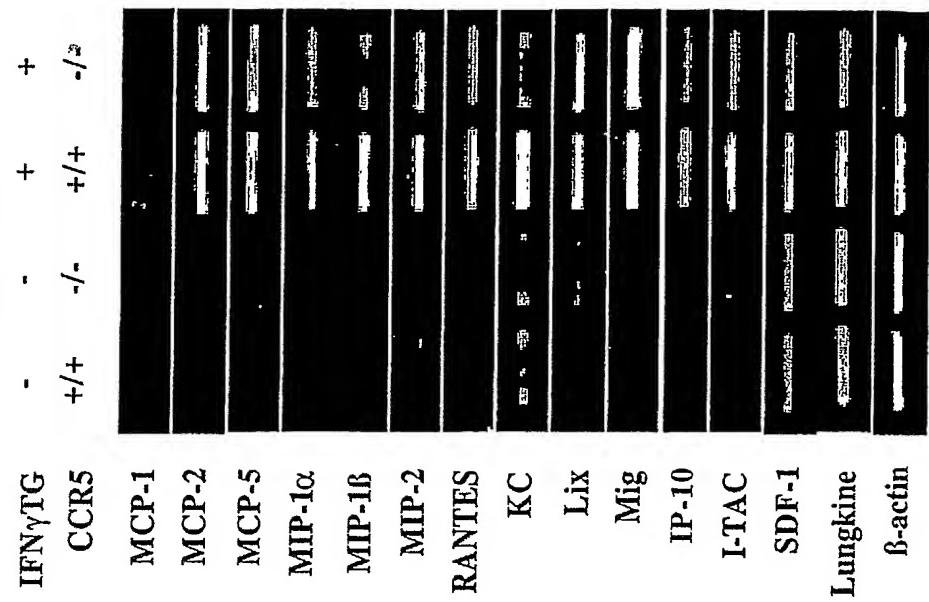
FIG. 6A**FIG. 6B**

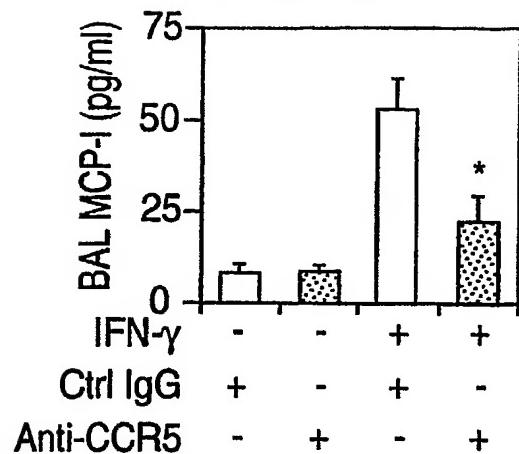
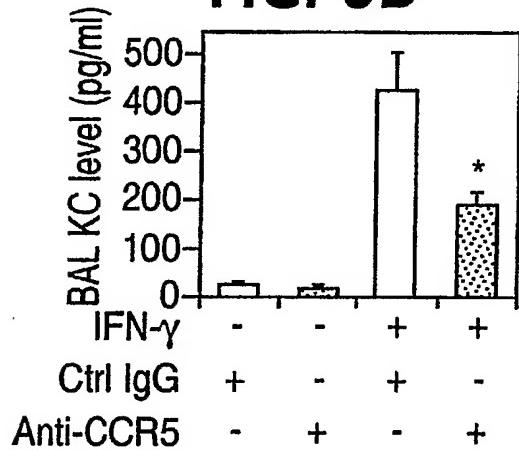
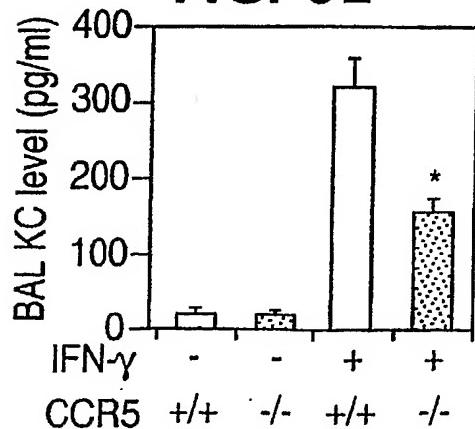
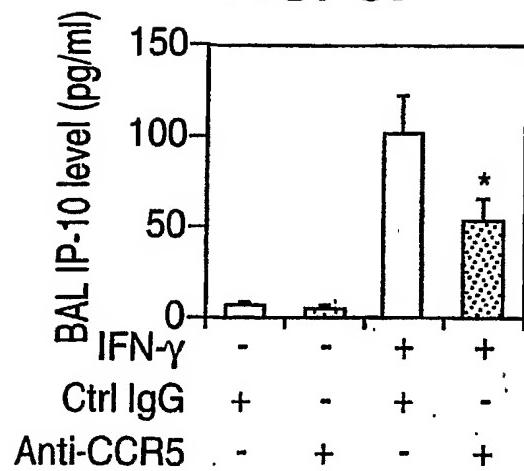
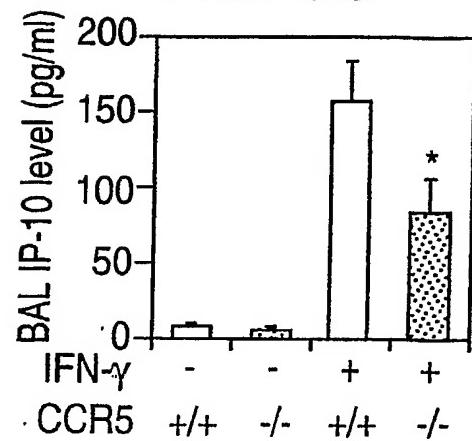
FIG. 6C**FIG. 6D****FIG. 6E**

FIG. 6F**FIG. 6G**

Proteinase and anti-proteinase after blocking and null mutation of CCR5 in IFN- γ mice

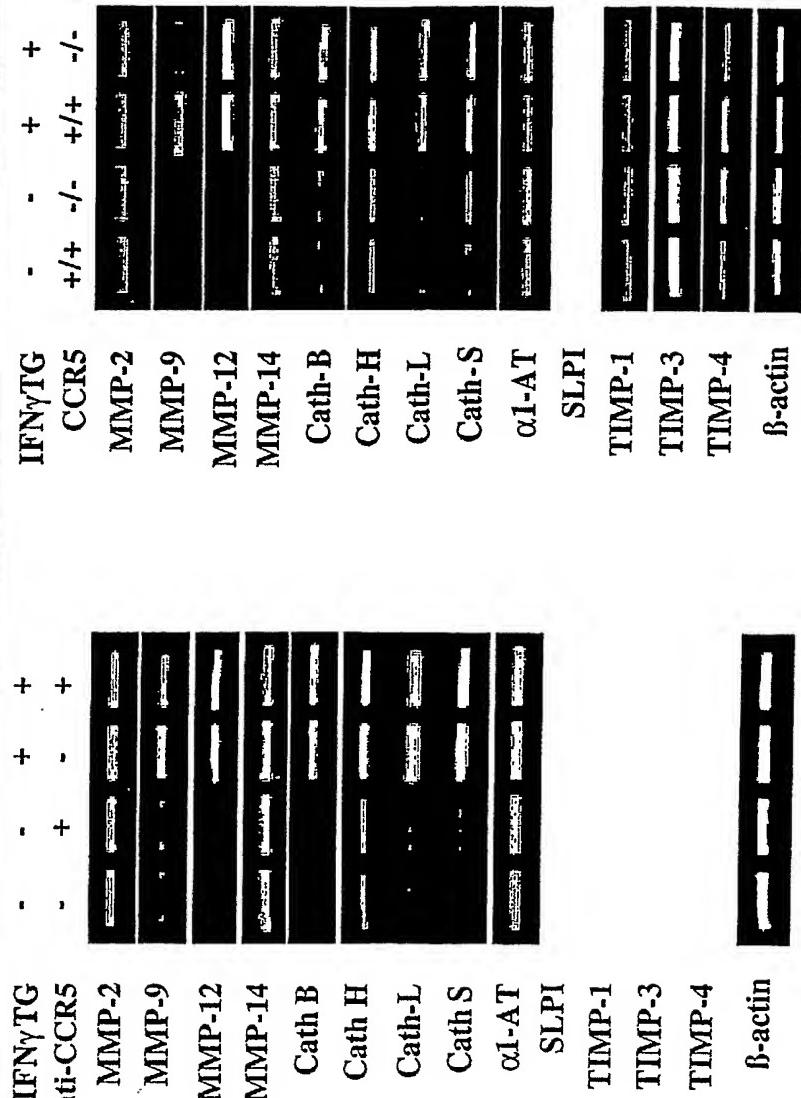


FIG. 7A

FIG. 7B

TUNEL Staining in IFN- γ Mouse Lung after blocking and null mutation of CCR5

FIG. 8A

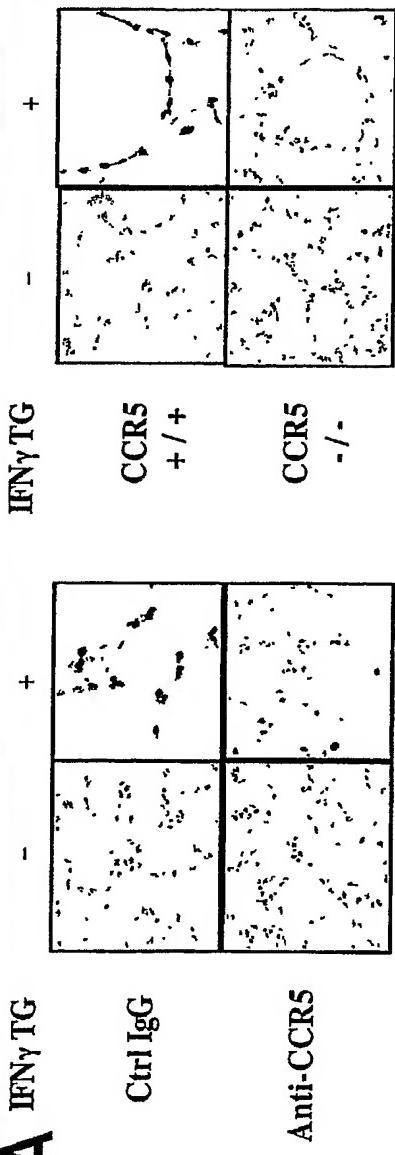


FIG. 8B

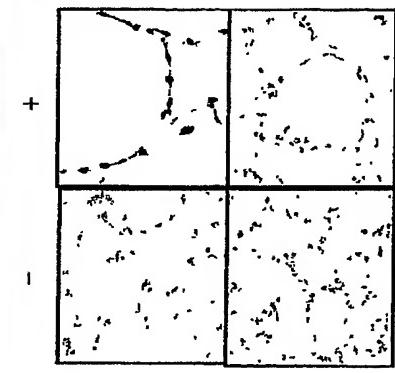


FIG. 8D

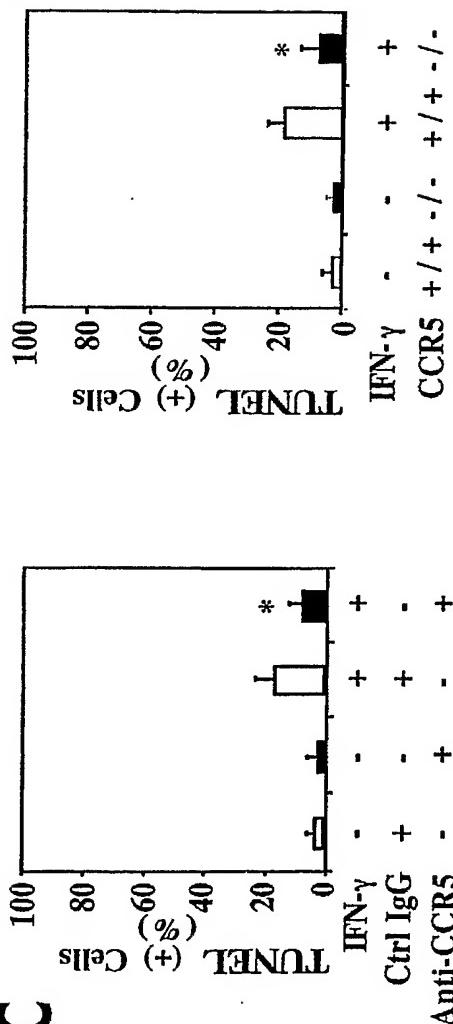


FIG. 8C

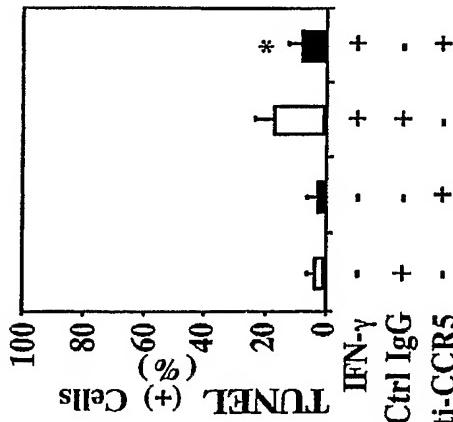
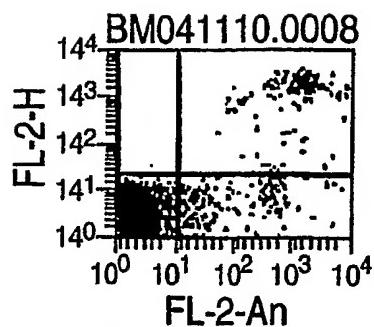
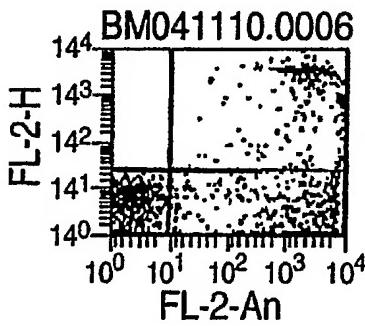
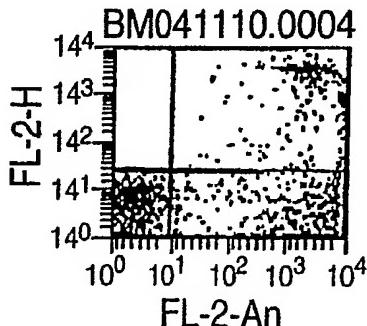


FIG. 8E

	QUAD EVENTS	% GAINED	TOTAL
UL	0	0.00	0.00
UR	202	2.15	2.02
LL	0666	95.08	60.65
LR	109	2.14	1.99

FIG. 8F

	QUAD EVENTS	% GAINED	% TOTAL
UL	0	0.00	0.00
UR	540	25.59	5.45
LL	923	45.97	9.23
LR	545	27.14	5.45

FIG. 8G

	QUAD EVENTS	% GAINED	% TOTAL
UL	7	0.12	0.07
UR	541	9.47	5.41
LL	41.96	73.45	41.98
LR	960	18.96	9.69

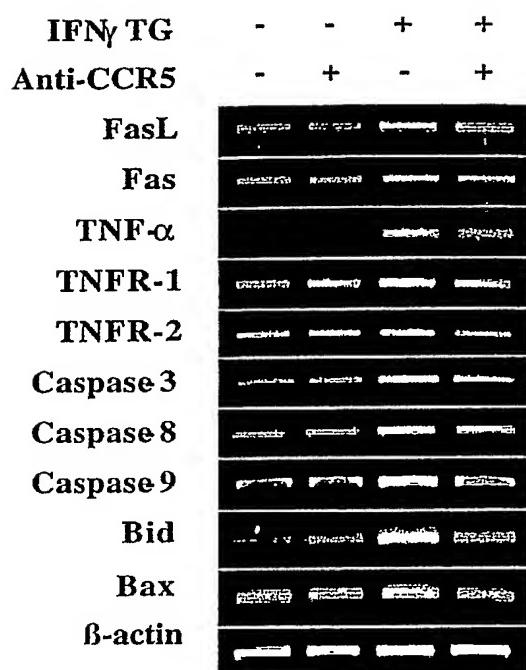
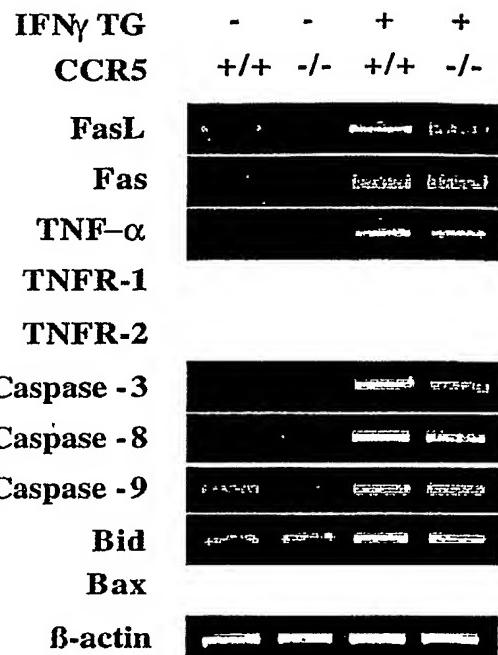
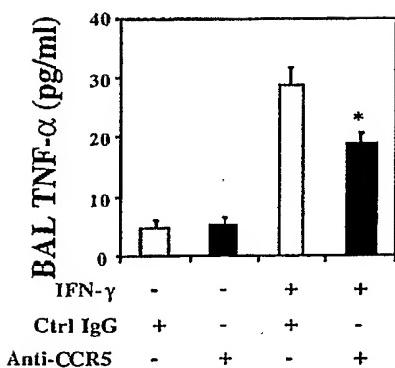
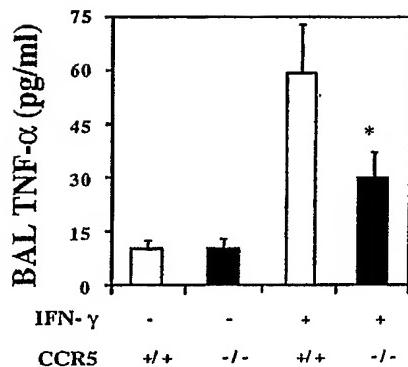
FIG. 9A**FIG. 9D****FIG. 9B****FIG. 9E**

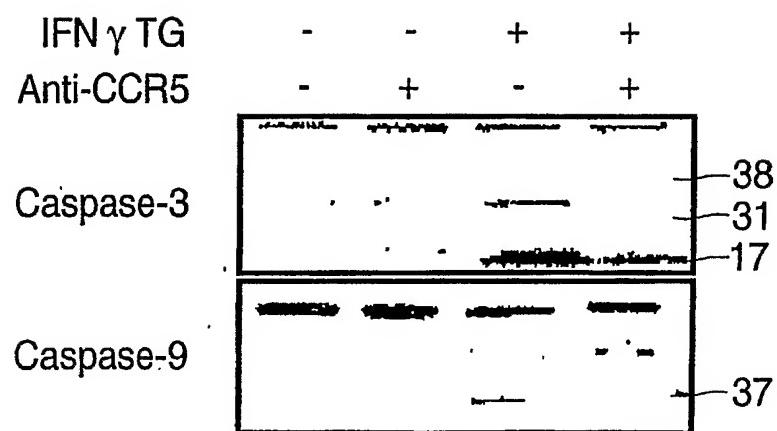
FIG. 9C

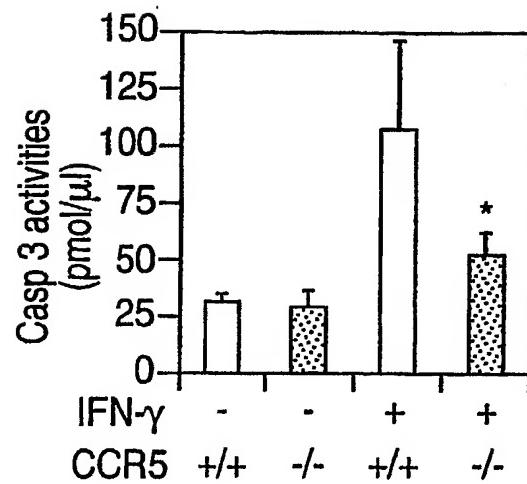
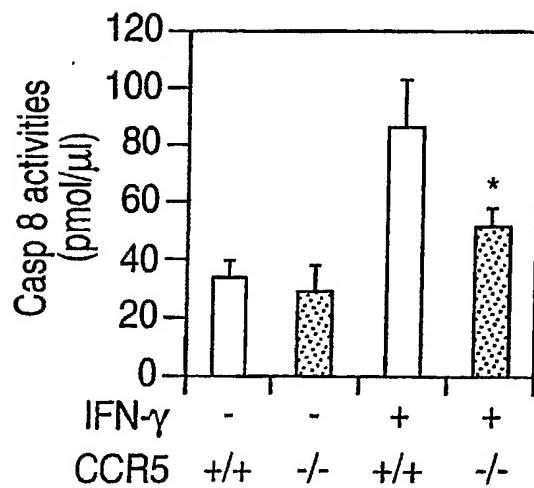
FIG. 9F**FIG. 9G**

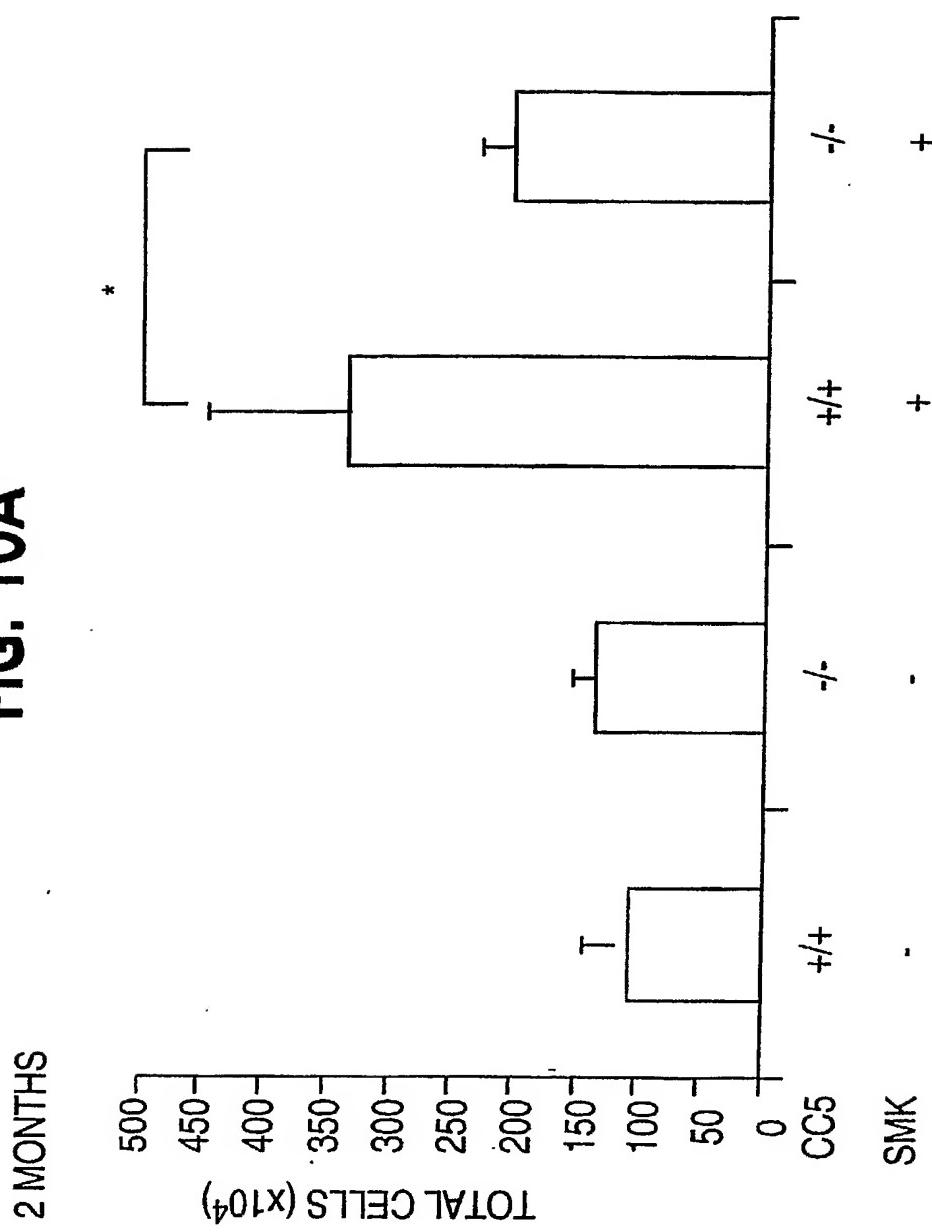
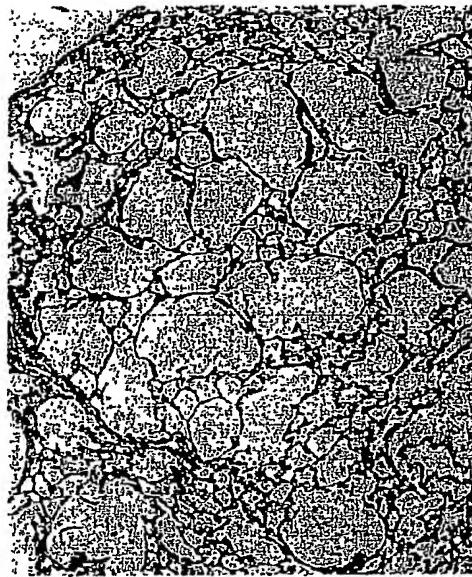
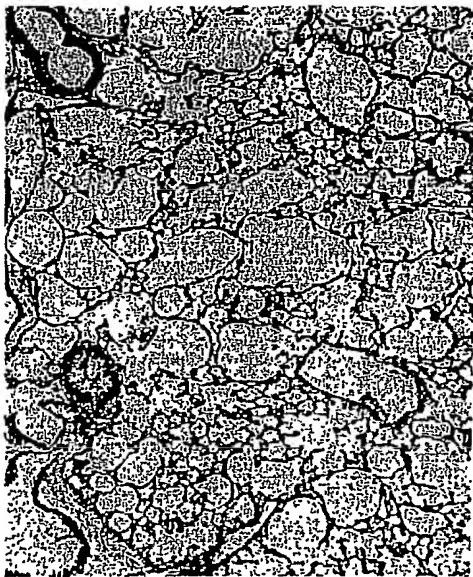
FIG. 10A

FIG. 10BHISTOLOGY (HE) AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE SMOKING EXPOSURE



CCR5 +/+



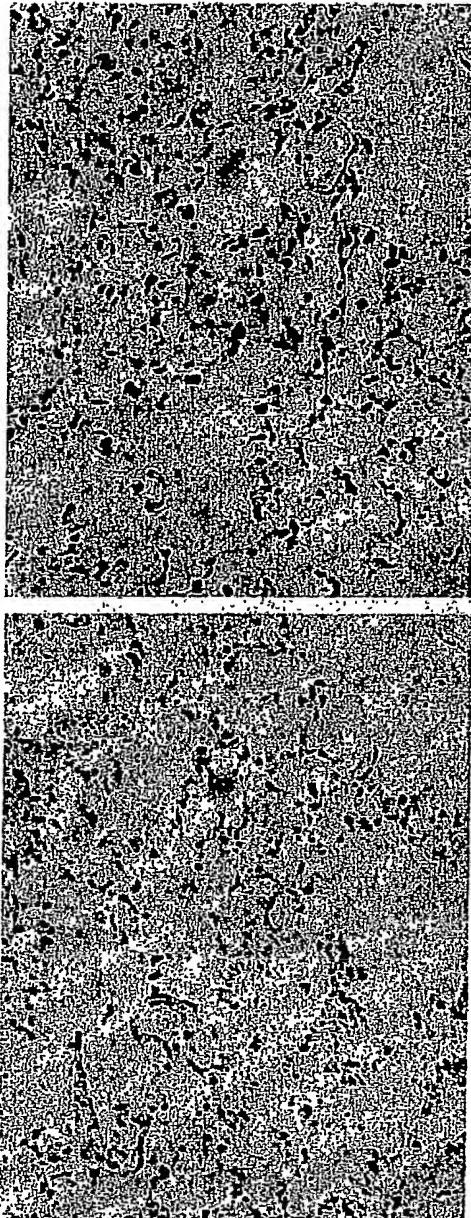
CCR5 -/-

10X H&E

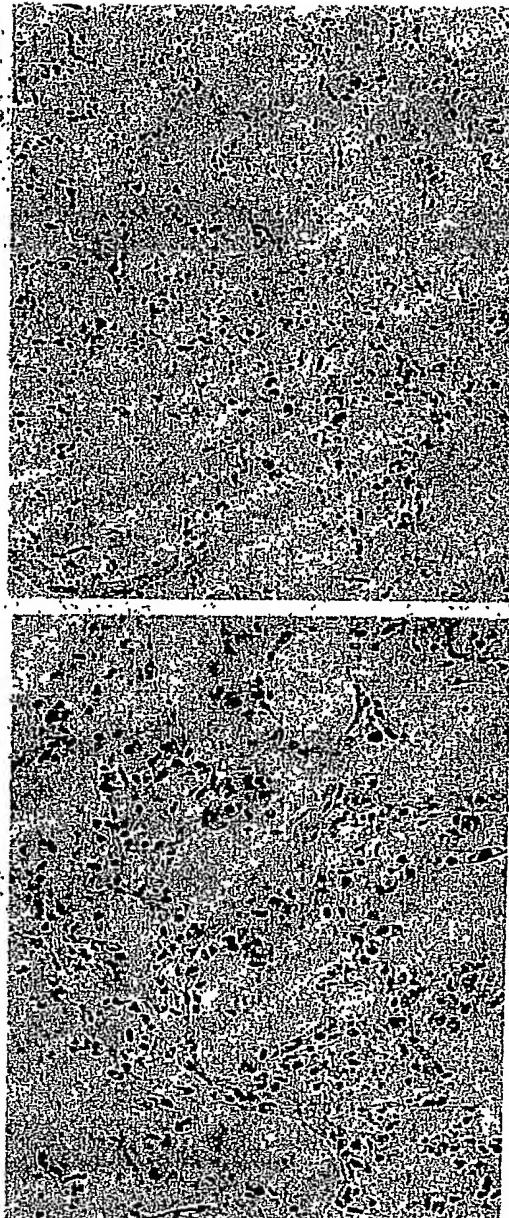
FIG. 10C

TUNEL STAINING FOR APOPTOSIS AFTER TWO MONTHS SMOKING EXPOSURE

NON-SMOKING EXPOSURE



CCR5^{+/+}



CCR5^{-/-}

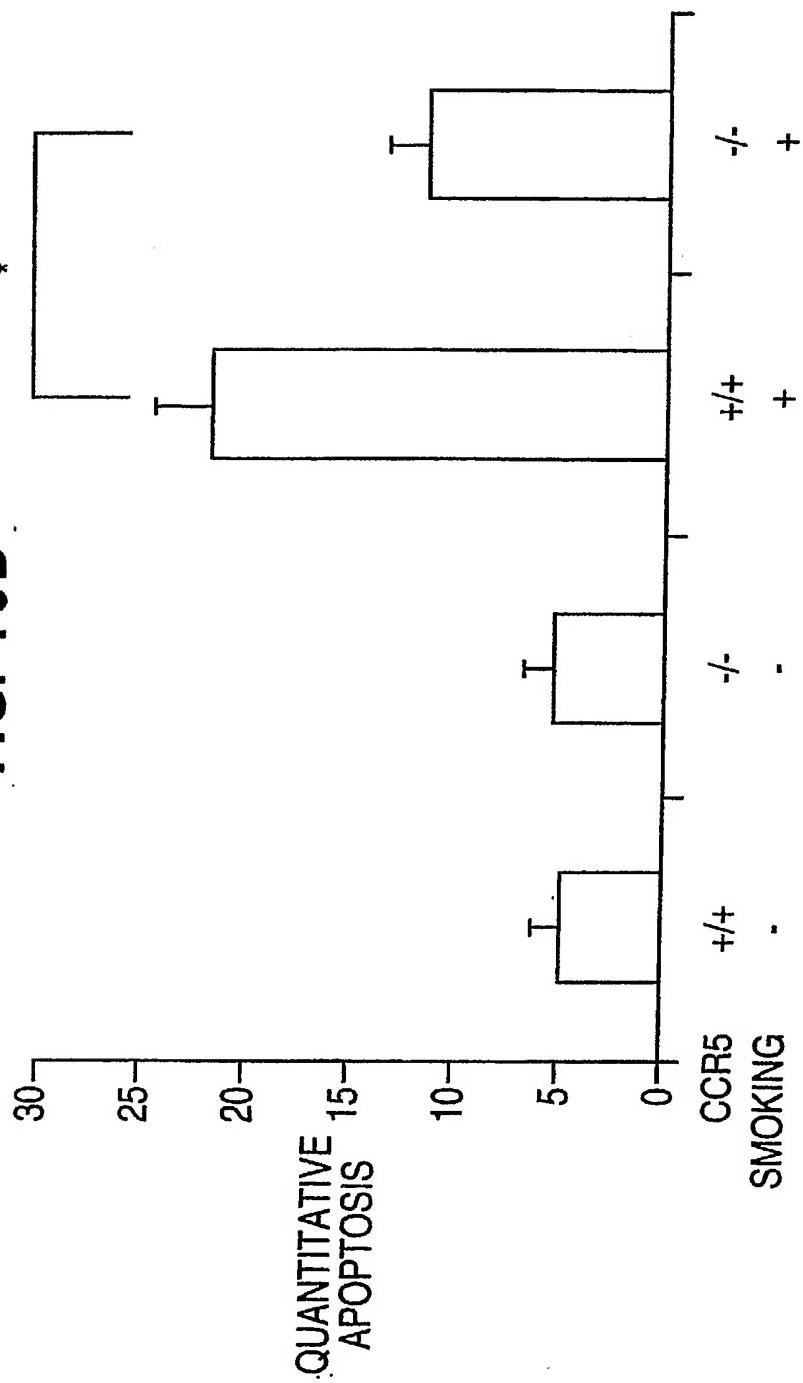
FIG. 10D

FIG. 11
CCR5 ISH in CC10-IL-13 Mouse Lung

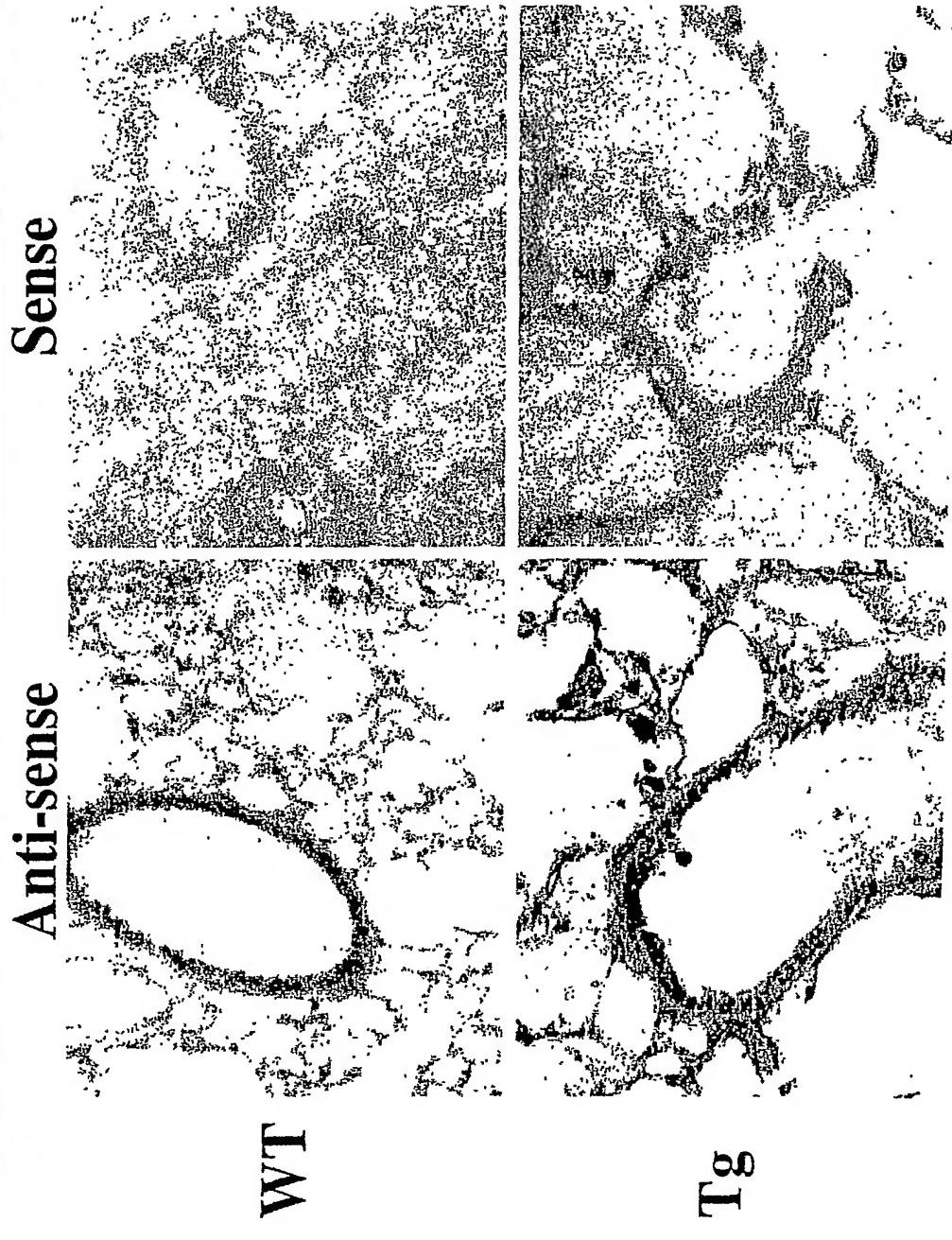


FIG. 12 CCR5 IHC in CC10-IIl-13 Mouse Lung

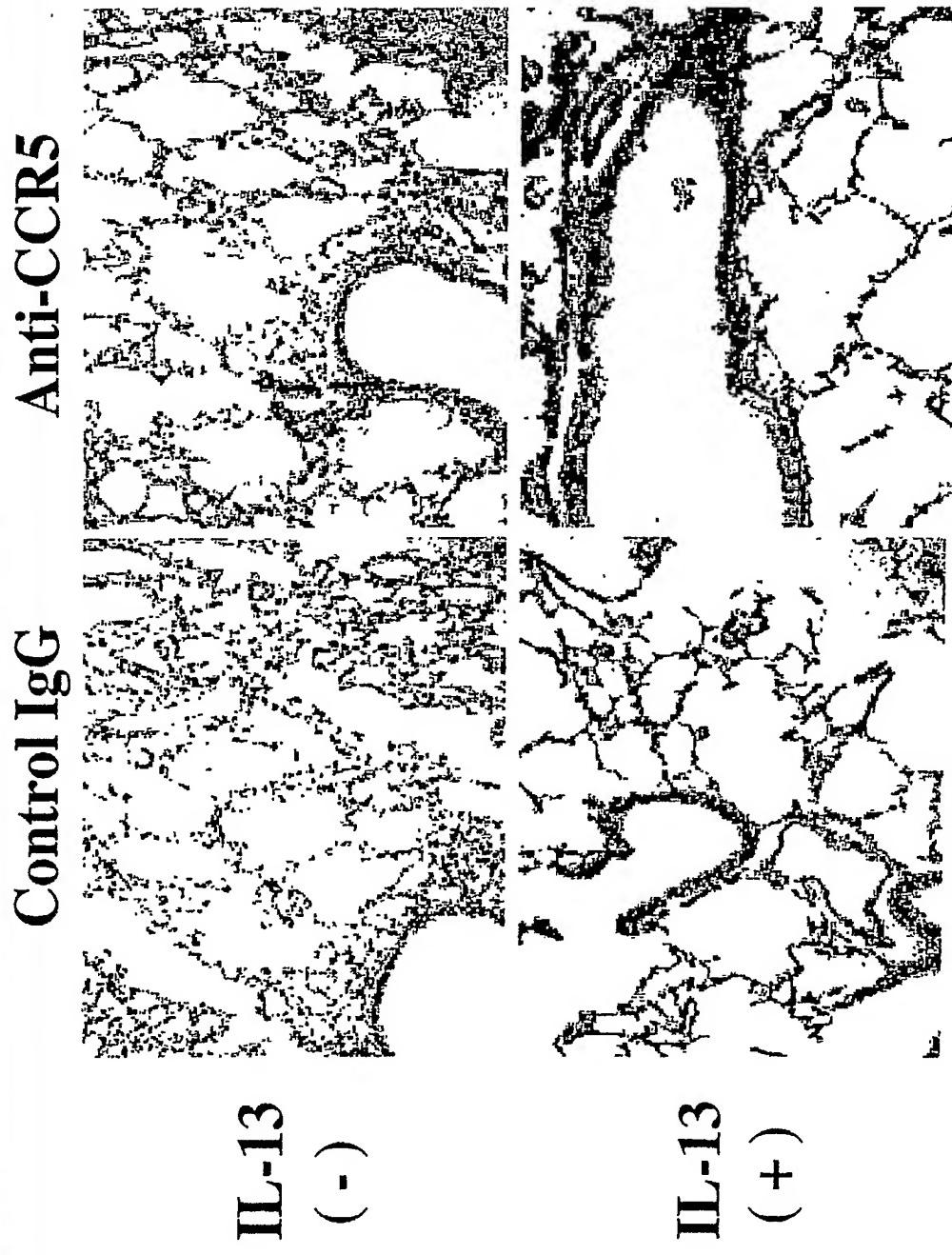


FIG. 13**Lung Volume of IL-13 Mice After block and null mutation of CCR5**

Ctrl IgG	+	-	+	-
Anti-CCR5	-	+	-	+
iIL-13	-	-	+	+

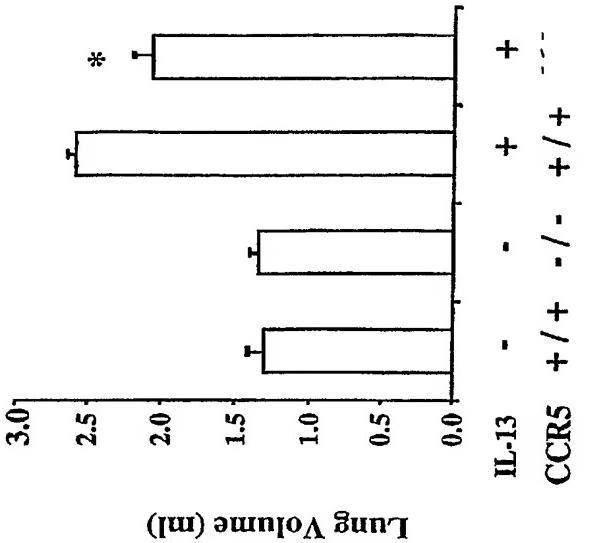
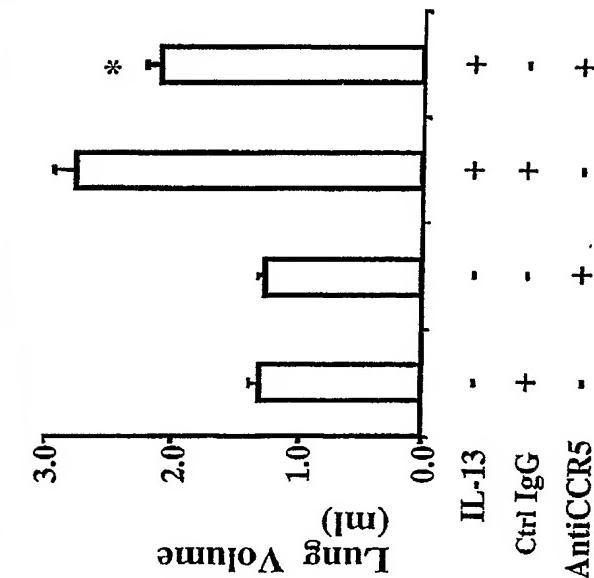
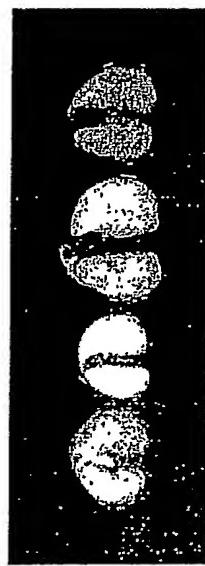
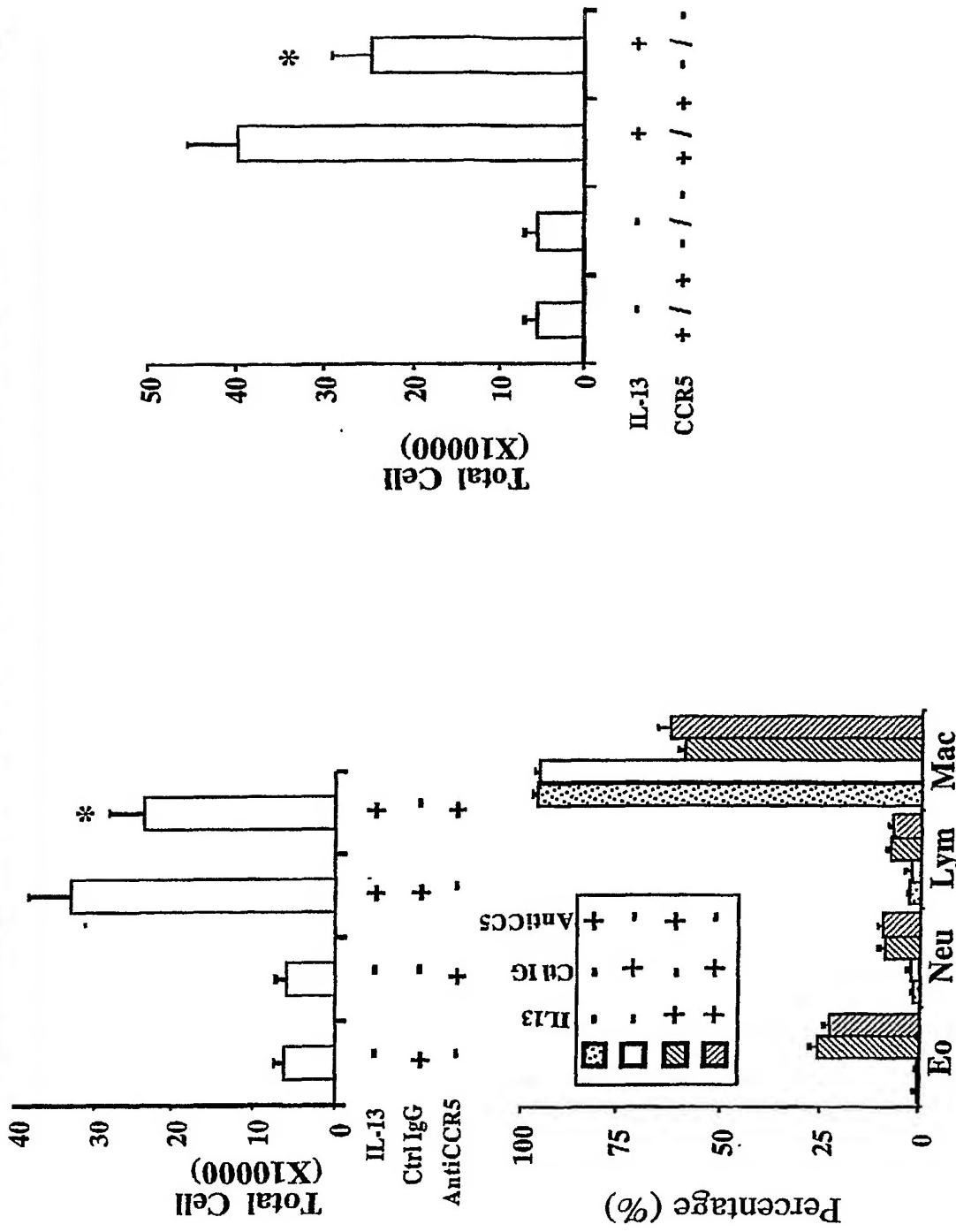


FIG. 14A BAL total cell and differential of iIL-13 mice after block and null mutation of CCR5



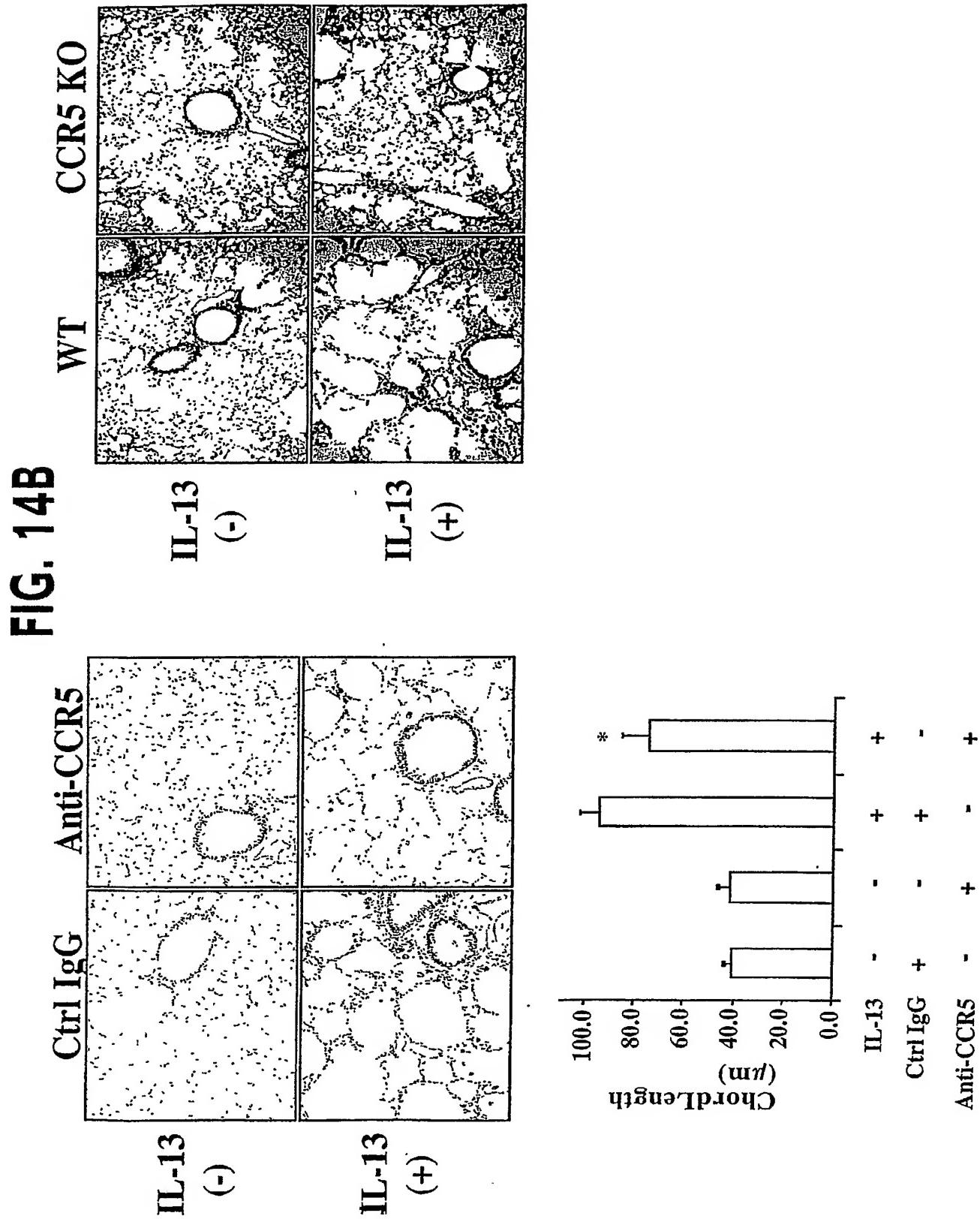


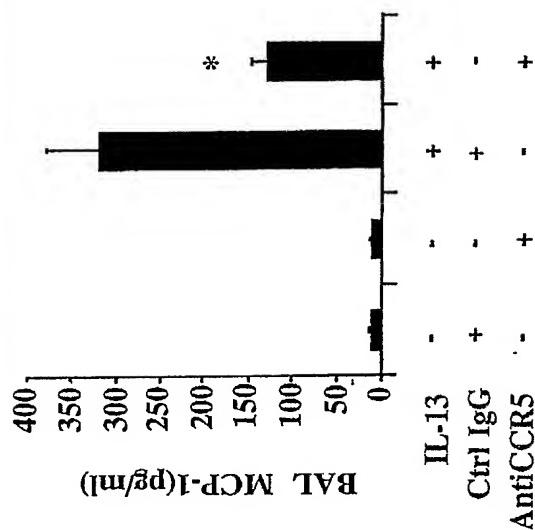
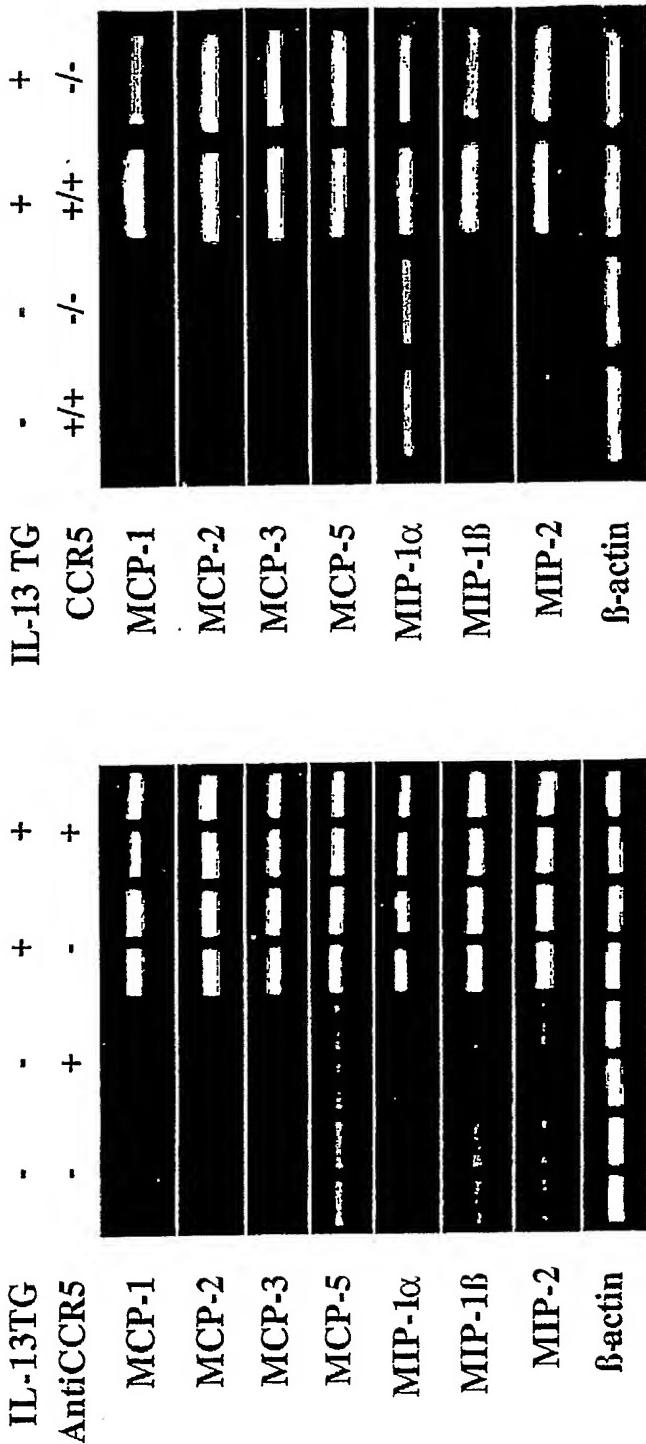
FIG. 15

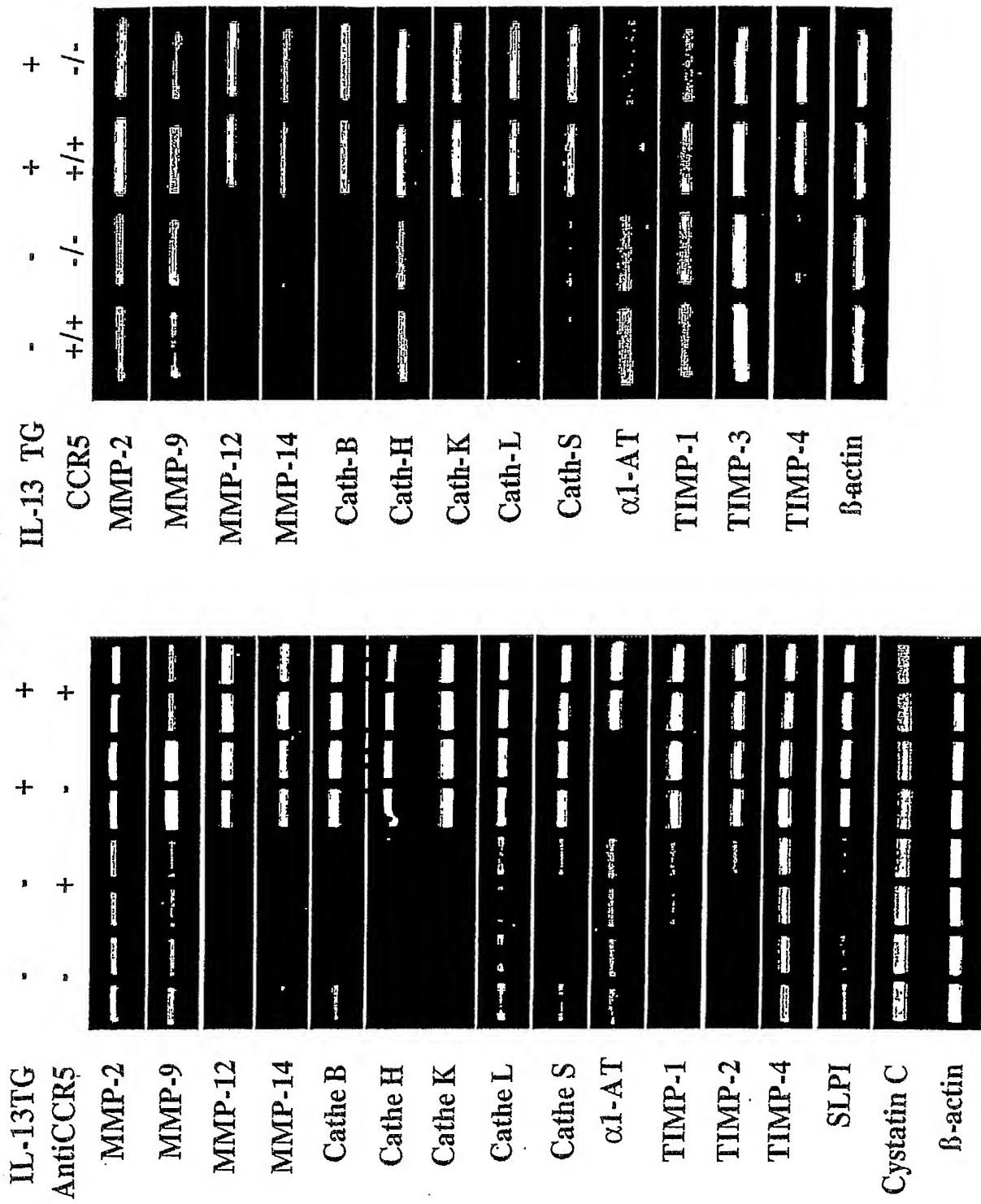
FIG. 16

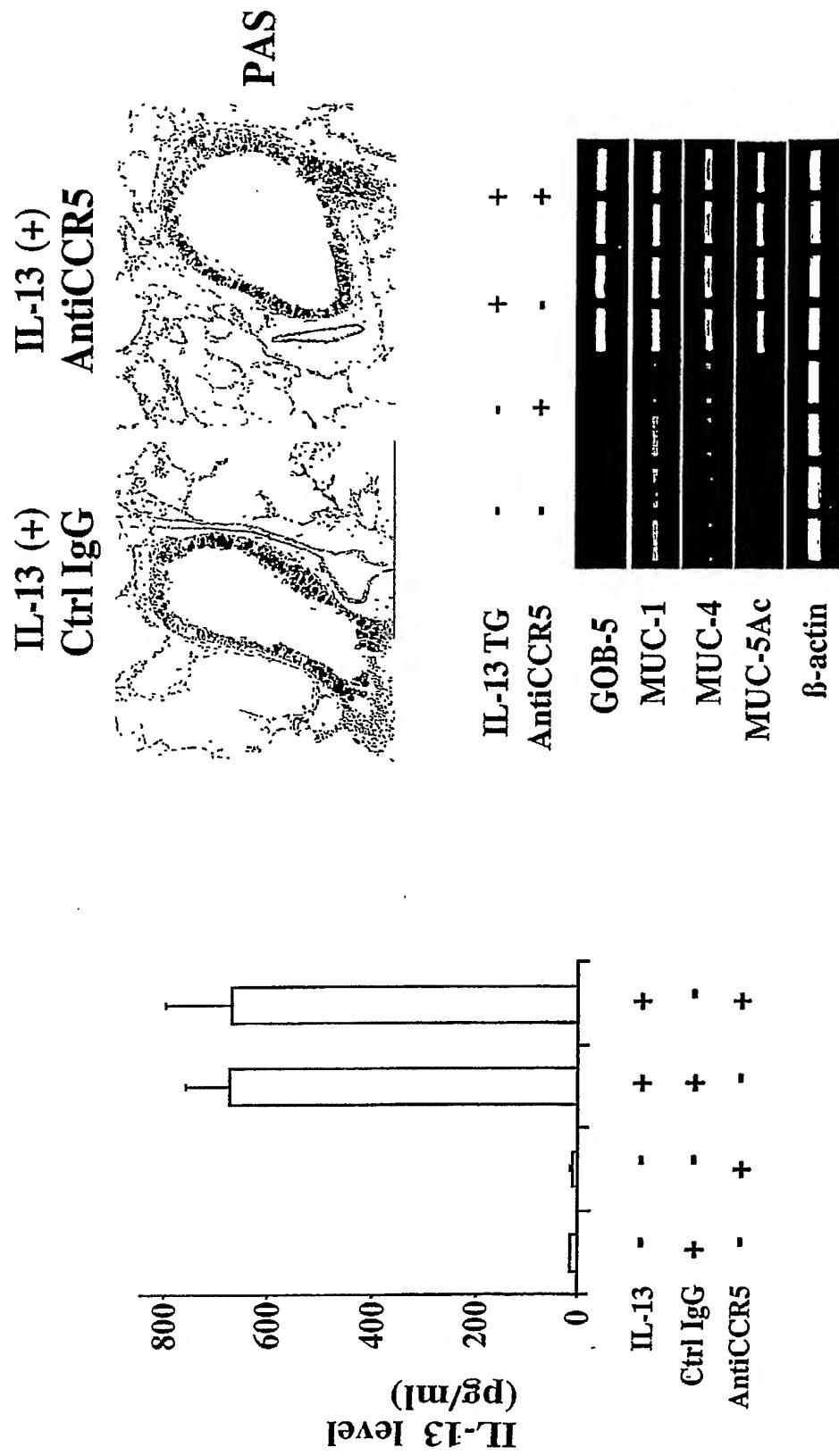
FIG. 17**BAL IL-13 Level of iIL-13 mice treated with Anti-CCR5 antibody**

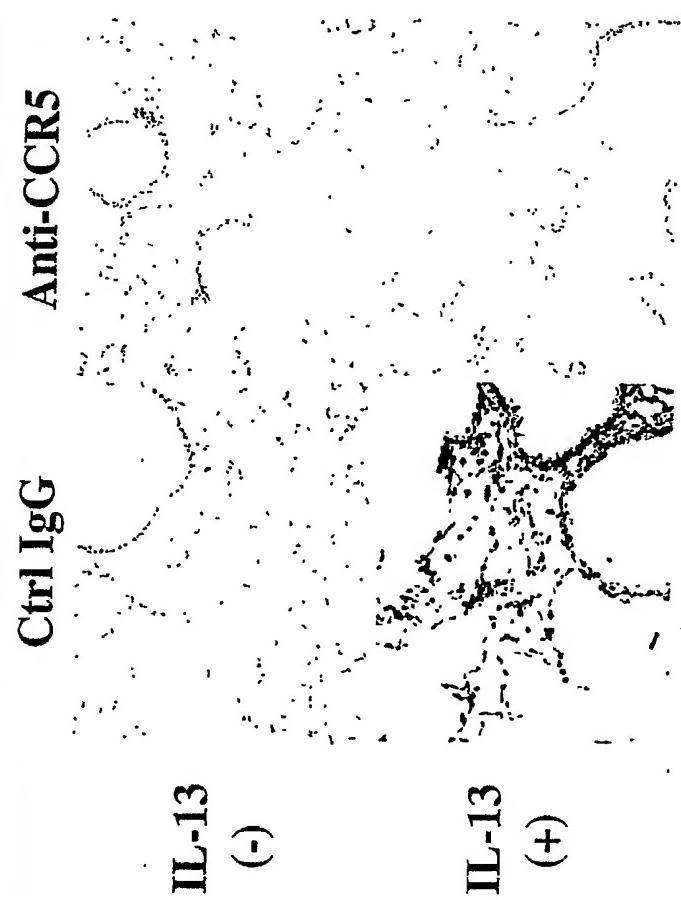
FIG. 18**TUNEL Staining in IL-13 Mouse Lung**

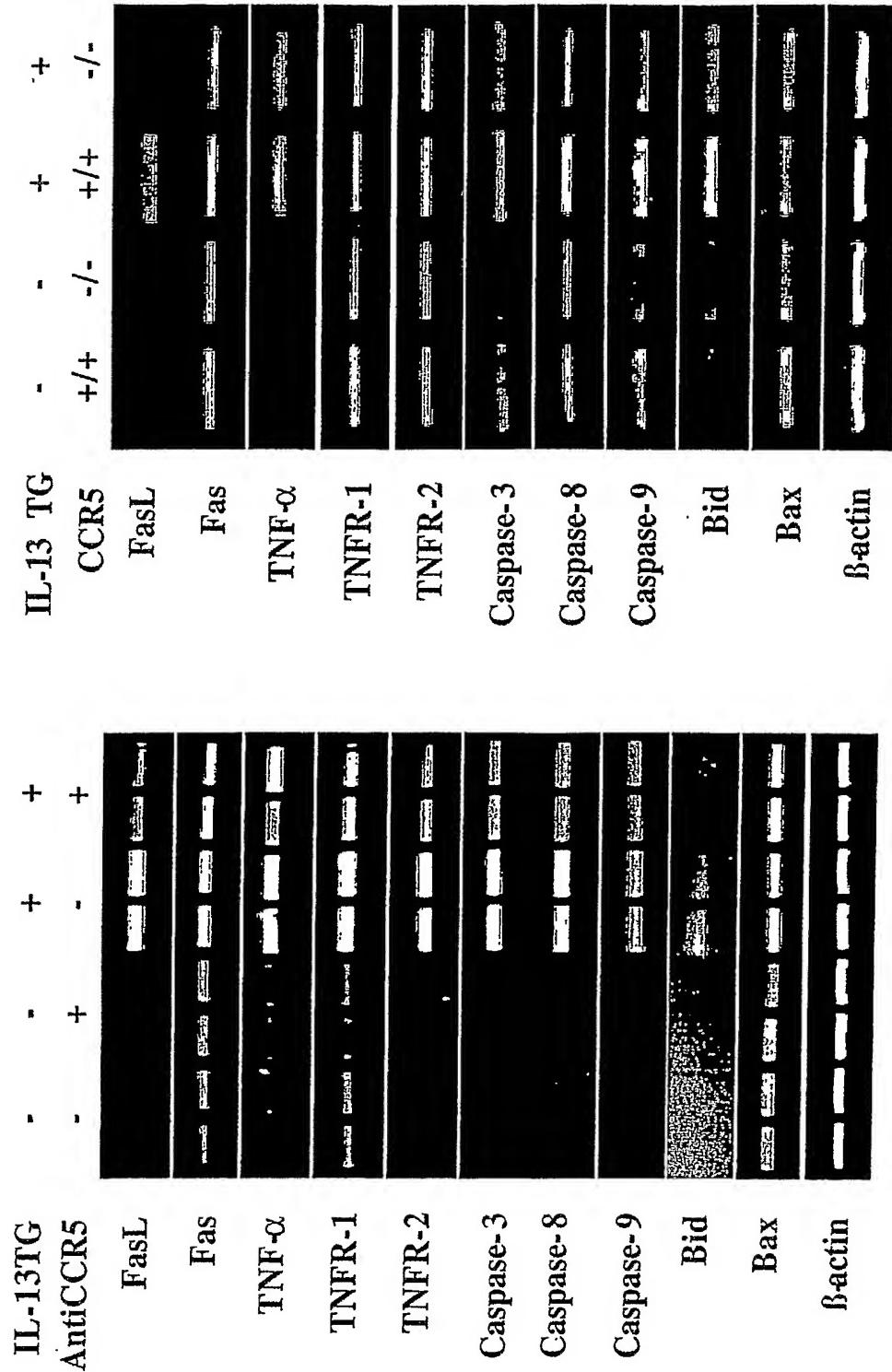
FIG. 19

FIG. 20

**Western Blot Detecting Apoptotic Factors in
IL-13 Transgenic Mouse Lungs**

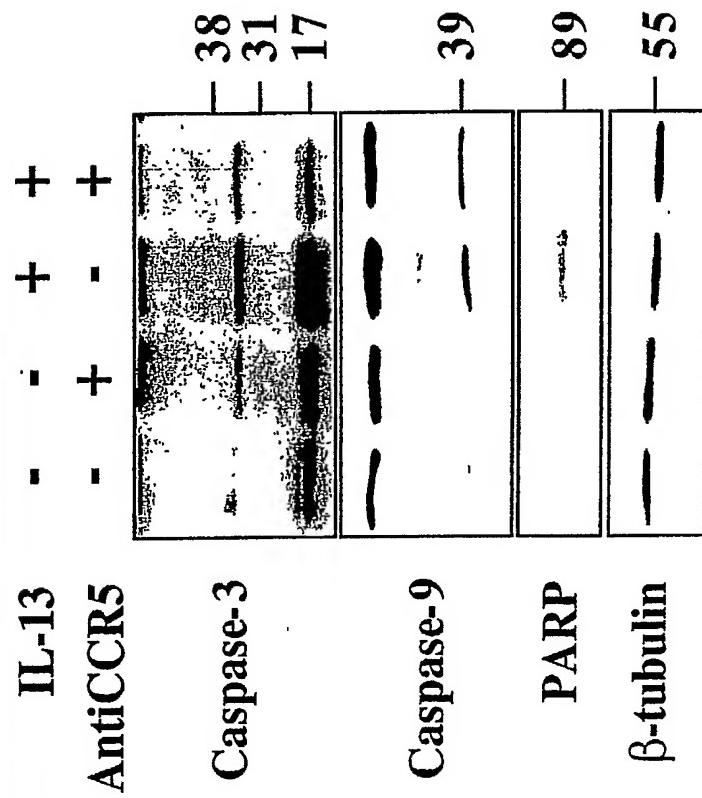


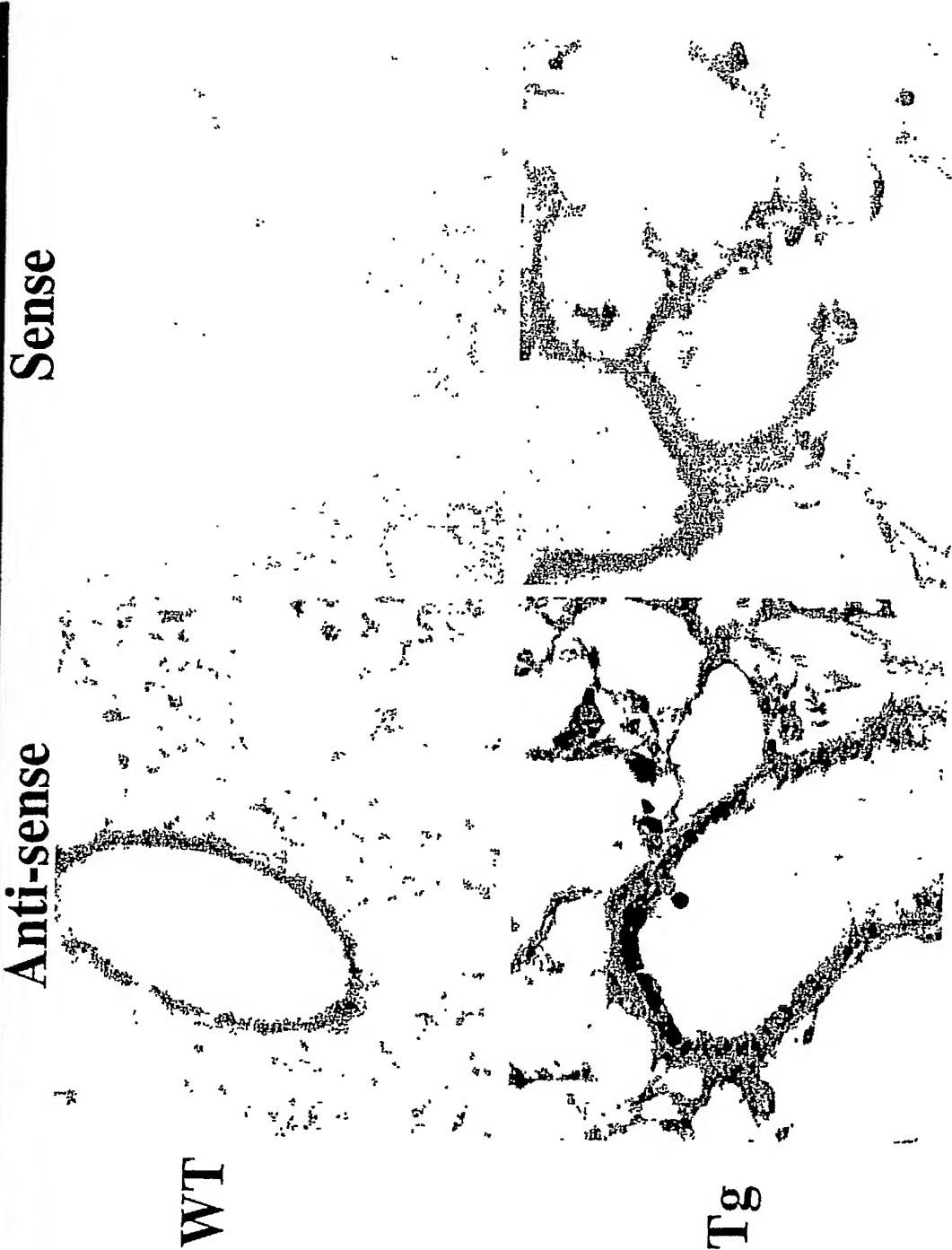
FIG. 21**CCR5ISH in CC10-II-13 Mouse Lung****Anti-sense****WT****Tg**

FIG. 22**CCR5 IHC in CC10-IL-13 Mouse Lung****Anti-CCR5****Control IgG****IL-13
(-)****IL-13
(+)**

FIG. 23
Caspase Activities of CCR5KO/IL-13

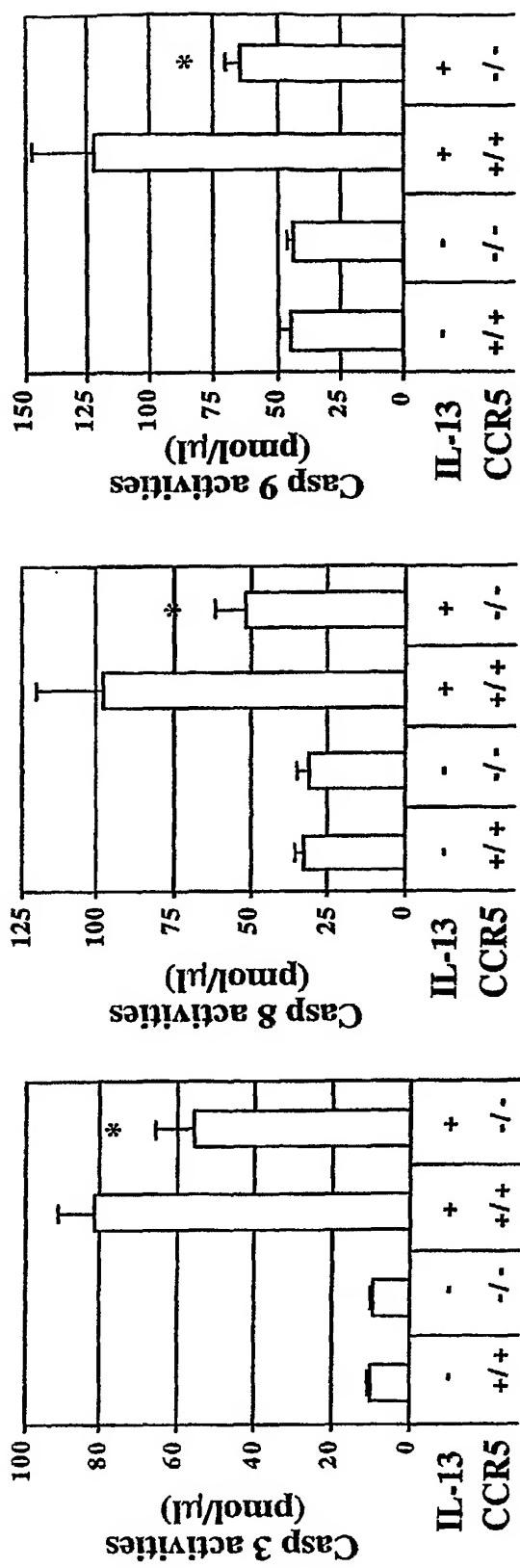
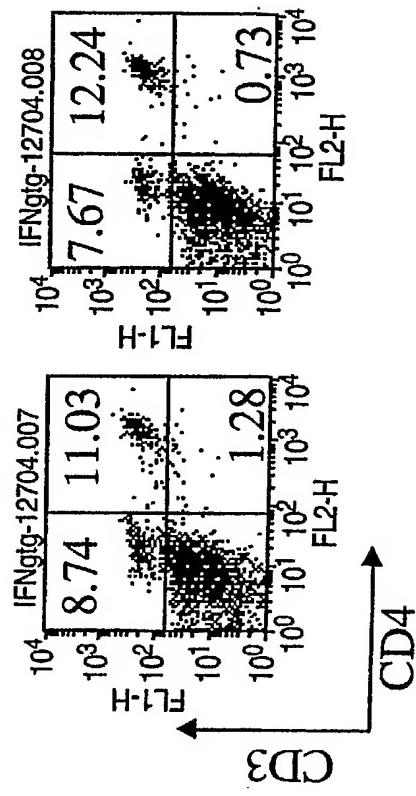
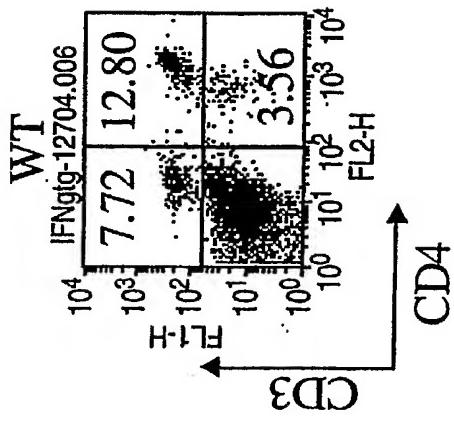


FIG. 24**CD4+ Cells in CCI10-IFN- γ Mouse Lung****CD4+ cells**

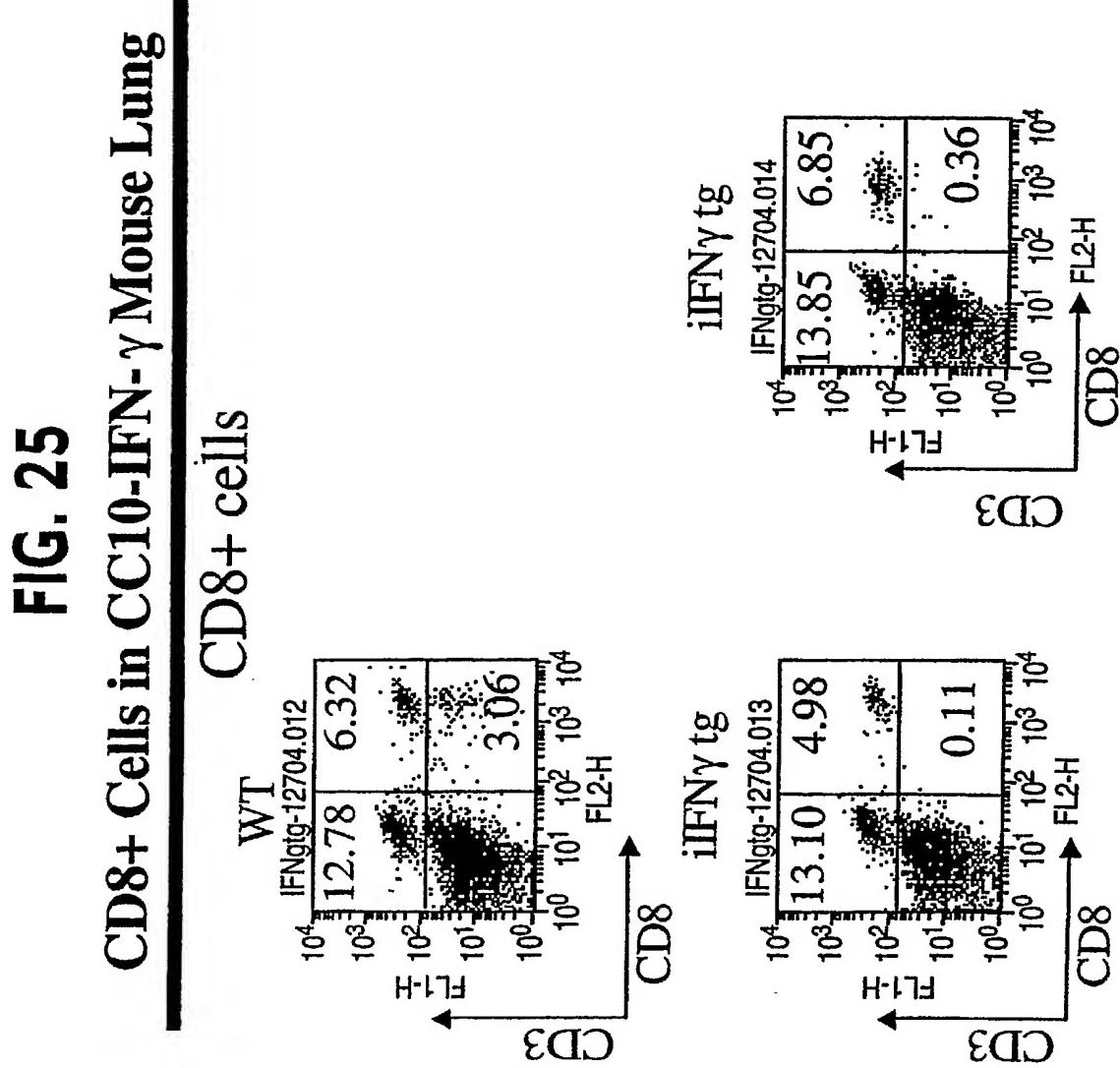


FIG. 26
NK Cells in CC10-IFN- γ Mouse Lung

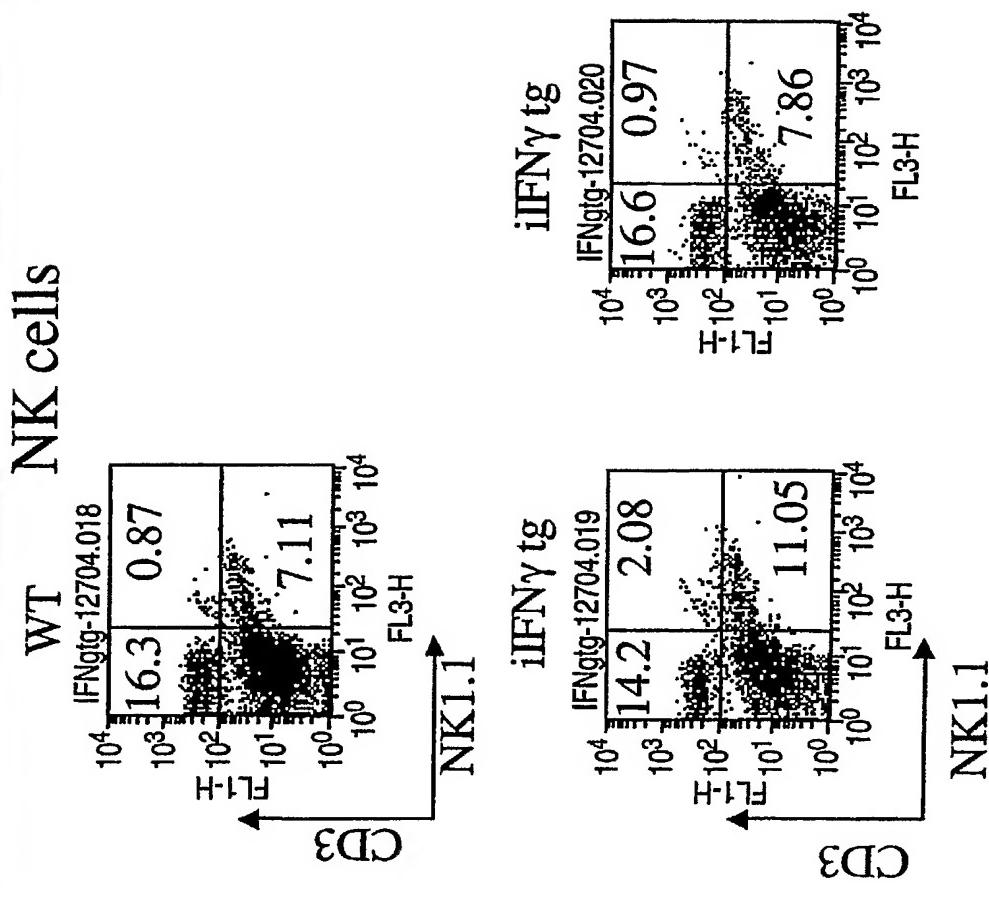


FIG. 27**DC Cells in CC10-IFN- γ Mouse Lung**